

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section**

Audit Number: 08-34-08
Date CSF Received: 12/6/07
Received By: Carol Beard
Date of Audit: 02/25/08
Audited By: Carol Beard
Resubmitted CSF? Yes ☐ No ☐
Lab Name: A-4 Scientific
Lab Location: The Woodlands, TX

Site Name: Richardson Flat Tailing
Site Manager: Kathryn Hernandez
RAS Number: 36948
ULSA Number: _____
SDG Number: MH24F6
Number of Samples: 20/L/S
CLP Lab Code: A-4

AUDIT CHECKLIST

CHAIN OF CUSTODY

- | | |
|---|---|
| 1. Custody Seal Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> | |
| 3. Chain of Custody Record(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>8631 98574806</u> | |
| 10. Airbill Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

AUDIT NUMBER: 08-34-08

FORM DC-2

4. Form DC-2 Present?
5. Numbering Scheme on Form DC-2 Correct?
6. Enclosed Documents Listed?
7. Listed Documents Enclosed?

Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐

FORM DC-1

8. Form DC-1 Present?
9. Form DC-1 Complete?
10. Form DC-1 Correct?

Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐

DOCUMENT CONTROL

1. Laboratory Documents Complete?
2. Laboratory Documents Legible?
3. Original Documents Included in CSF?

Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐

DATA INSPECTION

1. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
2. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
3. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
4. Percent Solids Form present for soil samples?

Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐
 Yes ☒ No ☐

E: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

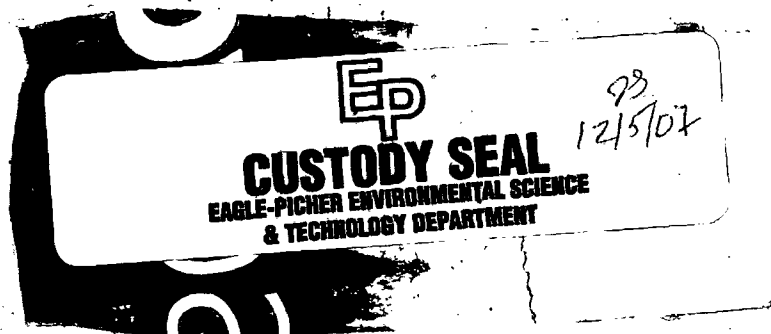
AUDIT NUMBER: 08-34-08

COMMENTS AND NOTES:

Carol Beaulieu 02/25/08
Auditor Date

EPA OFFICIAL SEALS PAGE

Please attach all custody seals below:



AUDIT NUMBER: 08-34-08

EPA CLP ELECTRONIC DISKETTE(S)

CASE #: 36948 SDG #: MH24F6

SITE NAME: Richardson Flat Tailings

REM: Kathryn Hernandez

DATE: 02/25/08

AUDITOR: Cain Bear

Audit # 08-34-08

RAS # 36948

SDG - MH24F6

Site - Richardson Flat Tailings

REM - Kathryn Hernandez

Date - 02/25/08

LAB - A-4

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
 Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24F6
 SOW No.: IIM05.4

EPA Sample No.	Lab Sample ID
MH24F6	0008723-01
MH24F6D	0008723-01D
MH24F6S	0008723-01S
MH24F7	0008723-02
MH24F8	0008723-03
MH24F9	0008723-04
MH24G0	0008723-05
MH24G1	0008723-06
MH24G2	0008723-07
MH24G3	0008723-08
MH24G4	0008723-09
MH24G5	0008723-10
MH24G6	0008723-11
MH24G7	0008723-12
MH24G8	0008723-13
MH24G9	0008723-14
MH24H0	0008723-15
MH24H1	0008723-16
MH24H2	0008723-17
MH24H3	0008723-18

	(Yes/No)	ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?		YES	YES
Were ICP-AES and ICP-MS background corrections applied?		YES	YES
If yes, were raw data generated before application of background corrections?		NO	NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy Pakanati Name: REDDY PAKANATI
 Date: 12/5/07 Title: LABORATORY MANAGER 0000000001

USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24F6
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24H40008723-19MH24H50008723-20

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy Pakanati Name: REDDY PAKANATI
Date: 12/5/07 Title: LABORATORY MANAGER 000000002

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057**Case #: 36948****SDG #: MH24F6****SDG NARRATIVE****SAMPLE RECIEPT & LOGIN**

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE/TIME RECEIVED	AIRBILL NO.	ANALYSIS	Total # of Containers Received	REMARKS	MATRIX
MH24F6	0008723-01	11/16/07 10:11	863198574806	ICP-AES	1	MS/DUP	SOIL
MH24F7	0008723-02	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24F8	0008723-03	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24F9	0008723-04	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G0	0008723-05	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G1	0008723-06	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G2	0008723-07	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G3	0008723-08	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G4	0008723-09	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G5	0008723-10	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G6	0008723-11	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G7	0008723-12	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G8	0008723-13	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24G9	0008723-14	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H0	0008723-15	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H1	0008723-16	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H2	0008723-17	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H3	0008723-18	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H4	0008723-19	11/16/07 10:11	863198574806	ICP-AES	1		SOIL
MH24H5	0008723-20	11/16/07 10:11	863198574806	ICP-AES	1		SOIL

ICP-AES

Issue 1: The cooler custody seals were absent for all coolers received on 11/16/07.

Resolution 1: Per Region 8, the laboratory has proceeded with the analysis of the samples.

Issue 2: There was no temperature blank received for the coolers received on 11/16. Cooler temperatures were determined to be 5,4,4 and 5. Lab used the following method to check cooler temperature. Removed ice between two sample containers and placed thermometers between them and stabilized for several minutes. The thermometer was not allowed to come in contact with any material except sample containers. The temperature of the shipping container was recorded on the TR/COC and form DC-1.

Resolution 2: Per direction from Region 8 laboratory has proceeded with the analysis of the samples.

Issue 3: The tag numbers on the physical tags do not match up with the tag numbers listed on the TR/COC.

Resolution 3: Per direction from Region 8, the laboratory proceeded with the analysis of the sample using the sample tag number attached to the sample container.

Issue 4: Per scheduling lab QC is required; however there were no samples designated on the TR/COC.

Resolution 4: Per direction from Region 8, the laboratory selected a sample for lab QC that was not a PE, blank, or rinsate sample. The laboratory notified the SMO coordinator of the sample selected for lab QC, and proceed with the analysis of the samples.

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A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057

Case #: 36948

SDG #: MH24F6

SDG NARRATIVE

SMO was notified. Directive is enclosed. No other discrepancies of issues were noted during receipt and login.

ICP-AES

Soil Samples were digested by Hot-Block technique (HS2) and analyzed using a Thermo Electron ICP6500.

MS and DUP were performed on sample "MH24F6". Recovery of Ag was low.

Analytes with Serial Dilution percent difference not within the control limits are flagged with "E" on Form1s and Form8.

The following Samples were analyzed at a dilution for some elements to bring the concentration below the LDRs. The dilutions were made as below:

Sample ID	Dilution	Volume of digestate (ul)	Volume of 2% HNO3 (ul)	Final Volume (ul)
MH24G5	1.5	6,667	3,333	10,000
MH24G8	1.4	7,143	2,857	10,000
MH24G8	2.3	4,348	5,652	10,000
MH24H0	1.3	7,692	2,308	10,000
MH24H3	1.3	7,692	2,308	10,000
MH24H4	1.3	7,692	2,308	10,000

The following equations are used for calculation of sample results from raw instrument output data:

ICP-AES

SOIL Samples:

$$\text{Concentration (dry Wt.) (mg/kg)} = \frac{C * V}{W * S} * DF$$

Where,

C = Concentration (mg/L)

V = Final sample volume in Liters (L) (0.1L)

W = Wet sample weight (kg) (0.001kg)

S = % solids/100

DF = Dilution Factor

0000000004

SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.					Page <u>1</u> of <u>1</u>	
Received By (Print Name) Larry Goodsen					Log-in Date 11/16/07	
Received By (Signature) <i>Larry Goodsen</i>						
Case Number 46948		Sample Delivery Group No. MH24F6			NRAS Number —	
Remarks:		EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s) Present/Absent* <u>Intact/Broken</u>		MH24F6		8308618	0008123-01	12/16/07 Intact
2. Custody Seal Nos. <u>N/A</u>		F1		8308612	-02	
		F8		8308603	-03	
3. Traffic Reports/Chain of Custody Records or Packing Lists Present/Absent*		F9		8308616	-04	
		MH24G0		8308622	-05	
4. Airbill <u>Airbill/Sticker Present/Absent*</u>		G1		8308620	-06	
5. Airbill No. 863198574806		G2		8308619	-07	
		G3		8308614	-08	
6. Sample Tags Present/Absent*		G4		8308613	-09	
Sample Tag Numbers 11/14/07		G5		8308617	-10	
7. Sample Condition <u>Intact/Broken*/Leaking</u>		G6		8308604	-11	
8. Cooler Temperature Indicator Bottle Present/Absent*		G7		8308621	-12	
9. Cooler Temperature 5°C		G8		8308608	-13	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>		G9		8308605	-14	
		MH24H0		8308610	-15	
11. Date Received at Lab 11/16/07		H1		8308609	-16	
12. Time Received 10:11		H2		8308607	-17	
		H3		8308611	-18	
Sample Transfer		H4		8308601	-19	
Fraction Mx/s	Fraction	H5		8308615	-20	
Area # Cooler A	Area #					
By <i>[Signature]</i>	By <i>[Signature]</i>					
On 11/16/07	On 11/16/07					

* Contact SMO and attach record of resolution

Reviewed By rs	Logbook No. NA
Date 11/16/07	Logbook Page No. 5

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME <u>A4 SCIENTIFIC, INC.</u>	
CITY/STATE <u>THE WOODLANDS, TX</u>	
CASE NO. <u>36948</u>	SDG NO. <u>MH24F6</u>
SDG NOS. TO FOLLOW <u>NA</u>	
NRAS NO. <u>NA</u>	
CONTRACT NO. <u>EPW06057</u>	
SOW NO. <u>ILM05.4</u>	

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. SDG Narrative	<u>3</u>	<u>4</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sample Log-In Sheet (DC-1)	<u>5</u>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Inventory Sheet (DC-2))	<u>6</u>	<u>7</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Traffic Report/Chain of Custody Record(s)	<u>8</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>11</u>	<u>30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>31</u>	<u>41</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. CRQL Standard (Form IIB-IN)	<u>42</u>	<u>50</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Blanks (Form III-IN)	<u>51</u>	<u>58</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>59</u>	<u>67</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>NA</u>	<u>NA</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>68</u>	<u>68</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>NA</u>	<u>NA</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Duplicates (Form VI-IN)	<u>69</u>	<u>69</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Laboratory Control Sample (Form VII-IN)	<u>70</u>	<u>70</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>71</u>	<u>71</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>72</u>	<u>74</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>75</u>	<u>75</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>76</u>	<u>76</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>77</u>	<u>77</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Preparation Log (Form XII-IN)	<u>78</u>	<u>78</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22. Analysis Run Log (Form XIII-IN)	<u>79</u>	<u>86</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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FROM

TO

LAB

REGION

23. ICP-MS Tune (Form XIV-IN) NA NA ✓ —
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN) ↓ ↓ ✓ —
25. ICP-AES Raw Data 87 785 ✓ ✓
26. GFAA Raw Data (If Applicable) NA NA ✓ —
27. ICP-MS Raw Data ↓ ↓ ✓ —
28. Mercury Raw Data ↓ ↓ ✓ —
29. Cyanide Raw Data ↓ ↓ ✓ —
30. Preparation Logs Raw Data 786 812 ✓ ✓
31. Percent Solids Determination Log 813 814 ✓ ✓
32. USEPA Shipping/Receiving Documents
Airbill (No. of Shipments 1) 815 815 ✓ ✓
Sample Tags 816 822 ✓ ✓
Sample Log-In Sheet (Lab) 823 824 ✓ ✓
33. Misc. Shipping/Receiving Records
(list all individual records)
Telephone Logs NA NA ✓ —
NA ↓ ↓ —
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)
Custody logbook 825 825 ✓ ✓
NA NA ✓ —
35. Internal Original Sample Prep & Analysis Records (describe or list)
Prep Records Digestion log 786 787 ✓ ✓
Analysis Records Runlogs 788 798 ✓ ✓
Description Standard preplog 799 812 ✓ ✓
36. Other Records (describe or list)
Telephone Communications Log NA NA ✓ —
Emails 826 828 ✓ ✓
NA NA ✓ —

37. Comments:

Completed by:

(CLP Lab)

(Signature)

(Print Name & Title)

(Date)

Audited by:

(USEPA)

(Signature)

(Print Name & Title)

(Date)

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**SAMPLE DELIVERY GROUP (SDG)
COVER SHEET**

SDG Number: MH24F6

☒ ICP-AES Analysis

☐ ICP-MS Analysis

Laboratory Name: A4 SCIENTIFIC, INC.

Laboratory Code: A4

Contract No.: EPW06057

Case No.: 36948

Analysis Price: _____

SDG Turnaround: 21 days

Modified Analysis (if applicable):

Modification Reference No.: _____

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MH24F6	7) MH24G2	13) MH24G8	19) MH24H4
2) MH24F7	8) MH24G3	14) MH24G9	20) MH24H5
3) MH24F8	9) MH24G4	15) MH24H0	21)
4) MH24F9	10) MH24G5	16) MH24H1	22)
5) MH24G0	11) MH24G6	17) MH24H2	23)
6) MH24G1	12) MH24G7	18) MH24H3	24)

MH24F6

First Sample in SDG

MH24H5

Last Sample in SDG

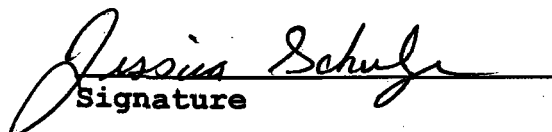
11/16/2007

First Sample Receipt Date

11/16/2007

Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).


Signature

11/20/07
Date

0000000008
Inorganic (10/06)



Cooler 8

USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 36948

DAS No:

SDG No: MH24F6

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Ch Hayes</i>	For Lab Use Only	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/7/07 6PM	Janna Simonsen		11/7/07
	2 Janna Simonsen	11/15/07 12PM			
	3				
	4		J. Schulte 11/14/07 10:11		

Lab Contract No: EPW06057

Unit Price: 0

Transfer To: 2

Lab Contract No: 2

Unit Price: 2

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24F6	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG206 (1)	UE01-56A-0.5	S: 11/6/2007 12:20	8723-01	Intact
MH24F7	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG207 (1)	UE02-56A-0.5	S: 11/6/2007 12:30	-02	
MH24F8	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG208 (1)	UE03-56A-0.5	S: 11/6/2007 12:45	-03	
MH24F9	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG209 (1)	UE04-56A-0.5	S: 11/6/2007 13:40	-04	
MH24G0	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG210 (1)	UE05-56A-0.5	S: 11/6/2007 13:20	-05	
MH24G1	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG211 (1)	UE06-56A-0.5	S: 11/6/2007 13:10	-06	
MH24G2	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG212 (1)	UE07-56A-0.5	S: 11/6/2007 13:00	-07	
MH24G3	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG213 (1)	UE07-56A1-0.5	S: 11/6/2007 11:20	-08	
MH24G4	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG214 (1)	UE08-56A-0.5	S: 11/6/2007 14:20	-09	
MH24G5	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG215 (1)	UE08-56A1-0.5	S: 11/6/2007 11:10	-10	

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC: <i>11/16/07</i>	Additional Sampler Signature(s): <i>11/14/07</i>	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: <i>11/16/07</i>
Analysis Key: T = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 8-065602925-111207-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

FZV51.047 Page 1 of 3



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 36948

DAS No:

SDG No: MH24F6

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Chr Hayes</i>	For Lab Use Only Lab Contract No: EPW06057 Unit Price: <i>0</i> Transfer To: <i>288</i> Lab Contract No: <i>288</i> Unit Price: <i>11/16/07</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/7/07	Janna Simonsen		11/7/07
	2 Janna Simonsen	11/15 12PM			
	3				
	4		J. Schug	11/16/07 10:11	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24G6	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG216 (1)	UE09-56A-0.5	S: 11/6/2007 14:30	0008723 -11	Intact
MH24G7	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG217 (1)	UE09-56A1-0.5	S: 11/6/2007 10:40	-12	
MH24G8	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG218 (1)	UE09-RR-0.5	S: 11/6/2007 14:00	-13	
MH24G9	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG219 (1)	UE10-56A-0.5	S: 11/6/2007 14:50	-14	
MH24H0	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG220 (1)	UE10-56A1-0.5	S: 11/6/2007 10:30	-15	
MH24H1	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG221 (1)	UE11-56A-0.5	S: 11/6/2007 14:40	-16	
MH24H2	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG222 (1)	UE11-56A1-0.5	S: 11/6/2007 12:30	-17	
MH24H3	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG223 (1)	UE12-56A1-0.5	S: 11/6/2007 10:50	-18	
MH24H4	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG224 (1)	UE13-56A1-0.5	S: 11/6/2007 10:15	-19	
MH24H5	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG225 (1)	UE14-56A1-0.5	S: 11/6/2007 8:25	-20	

Shipment for Case Complete? <i>N</i>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): <i>11/16/07</i>	Cooler Temperature Upon Receipt: <i>50</i>	Chain of Custody Seal Number: <i>11/16/07</i>
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>N</i>	Shipment Iced? <i>Y</i>
TAL CLP TAL Total Metals				

TR Number: 8-065602925-111207-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

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